The Mining Journal

RAILWAY AND COMMERCIAL GAZETTE

FORMING A COMPLETE RECORD OF THE PROCEEDINGS OF ALL PUBLIC COMPANIES.

No. 365. -- Vol. XII.]

LONDON: SATURDAY, AUGUST 20, 1842.

STANNABLES OF CORNWALL.

IN THE VICE-WARDEN'S COURT.

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IN THE VICE-WARDEN'S COURT.

The cause of "Fux and others occuse Leab," the creditors in respect of the HEAL HARMONY, CARDERW, and MONTAGUE CONSOLIDATED MINESS, the parish of Redwish, willish the soil Stannaries, are forthwith to come in said ROVE THEIR DEBTS before the Registrar of the said Court, at his office in Theo, in default thereof, they will be excluded the said Decree.—Dated August 1974.

PAUL and ROBERTS, Plaintifa' Solicitors, Turo.

VALUABLE MINING MATERIALS, &c. - MR. J. JAMES has received instructions to OFFER FOR SALE, BY PUBLIC AUCTION, Wednesday, the Julia August next, by Three o'clock in the afterance, at Pearce's ti, Trure, in the county of Cornwall (unless any part that may be perviously used of by Private Contract), the WHOLE of the EFFECT's of the GREAT EAL CHARLOTTE MINING ASSOCIATION (the said unine being shante in Burish of St. Agess. in the afternation of the Contract of AL CHARLOTTE MINING ASSOCIATION (the said mine being situate in trick of St. Agnos, in the aforesaid county), viz. — One 60-luck cylinder steams, e. cast-trun beam, with brane condensing work; one 10-luch cylinder steams, real-trun beam, with brane condensing work; one 10-luch whim-engine, reashing-mill attached; one 20-level water, wheet, with stamping, mill, but here, &c., size, the halvans, together with the setts, for the residue of a term of your years, expiring on or about 31 oft December, 1855. The whole will be rithout reserve, in order to wind up the accounts of the present company, show may be viewed on the mine, or, if by letter, further particulars may own on application to Mr. M. Moreom, Whitehall, hear Truro, Cornwall, ed Great Wheal Charlotte, August 18.

Partica having cisium on the said mine (the particular control of the present county).

O BE SOLD, BY AUCTION, by WILLIAMS and JONES, at the Lesswood Arms Hotel, in Moid, is the country of Flint, on Friday, the tof August inst., at Two o'clock in the afternoos, subject to constitions, all that 10 MINE, called the UNITED GWERN, MINE DO MINE, near the town of the less of the mineral lordship of Moid, for a term, rhich about fourteen years are unexpired. This mine is now in full work, with receding the among and all other requisite machinery. The castern part of mine (which is wholly unwrought) is extended very valuable, and with a furmoderate outlay of cagital, the mine would, in all probability, become produce and profitable. This concern is offered for sale owing to some of the protour wishing to retire from it, and the consequent want of unanimity among in for its further prosecution.

In the other way to inspected, and all particulars, as to its present considium and specia, obtained, by application to Capt. T. Francis; the agent at the mind, and further information, on application to Roberts and Son, esticitors, Modd.

OUTH WALES .- Extensive COLLIERY, IRON-WORKS,

NORTH WALES, within an easy distance of the sea, held for a trees, of which is years and in yeards are uneragized, subject to a represent copies, and so money. A considerable sum has been expressed in clearings, openings, and leaving a consistent of the constance of a season of the constance of the constance

O BE SOLD, by PRIVATE CONTRACT, an 85-inch cylinder ENGINE, searty new, calculated to work to and 8 finet stroke; alon, a great but of Id, 17, and 16-inch PUMPR, with picuper points, II and done picuse, and the firm-Apply to Mr. W. Bichards, Redruid, Correspond.

STEAM-ENGINE.—TO BE SOLD, a PUMPING-ENGINE, with brillers, purious and find popes, do. do.—For further parties began at the office of this Journal, Il., New Broad-street, London.

STEAM-ENGINE FOR SALE, at Alderloy New Mills, or the Worken ander Edge. "TO BE ROLD, by PRIVATE CONTRACY. a 12 house seem strans STEAM ENGINE, by Reiden and Walk, with two assesses BOILERS at the heat condition. —For further particulars, apply selface paramatic or by the last the heat condition. —For further particulars, apply selface paramatic or by the last the heat condition. —For further particulars, apply selface paramatic or by the last the last condition.

[This advertisement will not be repeated.]

TO THE HOLDERS OF CUBA BONDS.—Being the contractor for the CUBA LOANS, I consider to state that the railway from Havana to Gi of the Island of Cula, towards which the priy applied, has been advantageously unit, toment, to a company of the most substantiant

TO IRONMASTERS.—The LIVERPOOL & MANCHESTER RAILWAY COMPANY are desirous to CONTRACT for the purchase of TWO BUNDRED AND FIFTY TONS of BERT RAILWAY BARK, of the parallel double T form—weight about 78 lbs. per yard. Each vall to be made exactly fifteen feet in length, and to valeric conformity with a boundate of the cross sections, which may be seen at the company's office, and which will be delivered to the contract for his pattern. Each end of the rail to be ent square and omnoth to the precise sectional form. The rails to be made in a workinantike manner, of the best No. 2 mine troo, free from cinder, constituting the rails when, made No. 3 best bar from.—To be delivered at the company's yard, in Sainted, straight, and free from warp or twist; a and the railway company to be at liberty to puf every rail to such test in proof of its strength and quality, by bending or breating, as they shall think opposite to be home by the manufactures.—The rails to be delivered in three months from the date when the tender shall be accepted, and payment to be made by a hanker's bill at three months' date, when the rails shall have been delivered and approved.

The tenders to be addressed to the treas flice, on or before Wadnesday, the Jist in Bo order of the directors, Railway Office, Liverpool, August 17. HENRY MOOTH, Try

MIDLAND COUNTIES RAILWAY.—Ms. J. KEARSLEY,
Engineer to the Midland Counties Railway, having published a REPORT,
which he usade our the 9th inst. to the committee of management, respecting the
CONSUMPTION OF COAL WITHOUT SMOKE, the shareholders are respectfully
informed that they will, in a few days, he furnished with a REFUTATION of that

COMBMARTIN MINE .- TO LEAD SMELTERS AND

CORNUBIAN MINING COMPANY.—The directors of this company faving made a further CALL of TEN SHILLINGS per share, payner on or before the 12th day of Reptember heat, the shareholders are requestly by pay the eases to the Union State of London, 6, Miningalis-street.

44. Firstbury-square, London, August 12.

DE DUNSTANVILLE COPPER MINING COMPANY.—
Notice is hereby gives, that a CALL of FIVE BHILLINUS per chart wa
this day made by the directors ton the characteristics of the above mine, to be seleon or before the 19th day of stephender seat, all this office.

8. Birchin lane, London, August 16.

R 10 DE ANORI GOLD-STREAM WORKS COMPANY Notice to hereby given, that a MEETIMG of the charel at the George and Vulture Theory, St. Michael's Alley, Corol 70th of August next, at One o'Clock precisely, to take issue one printy of dispussing of the property of the company, and on other Ry coder,

2. Clock-lane, Circ. July 19. 2, Clouk-lane, City, July 10.

ROYAL POLYTECHNIC UNION OF LONDON.

CEMENT —To ARCHITECTS, BUILDERS, and OTHERS.

—THE PATENT STUCES PAINT CRAEST.—Its extraordinary qualifies are rapidly becoming will know a not paymentaled.—It will affect to any estimates or mechanism or one have not of damp or front can have not payment on it.—Give hardens and improvers it.—a house convexed with It becomes expressed in those. Ohe could be trilling—other in-speciment to believe, and for all who are insecrated in larger party, old or new. The nice appoints for the painteness are literact. Manne 5. Mainteness.

STRAM-ENGINE FOR SALE, at Alderloy New Mills. We will will be supported to the control of the co

ON THE ELECTRICITY OF MINERAL VEINS,

OF MINERAL VEINS.

AY MOREHAUTHURY ARD JOIN PHILLEPS.

1. The whole of the resurches included in this series or Pool copper mise, about seventy fathous below the surfaceach underlying south, the north hole about eighteen inches the south hole one foot in a fathous—that is, where the conducted. The holes, it may be remarked, are very irrequiring and underlie, being most productive where they approach the perpendicular. It is often observed in this mine, that he

Ann.

7. It was agreed that the observer should number aloud the oscillations of he needle, in such order that the even number should indicate the moment t which the needle arrived at its extreme deflection, raising or howering his size according to the amount deflected. The object of this was, that the erson producing contact should make his own observations on the nature of security of the contact; which arrangement enabled him, first, to discover that contact ith the ore of the lode was followed by an elevation of voice, also that the reasons of water enveloping the end of the wise in connection with the ore as productive of greater deflection, but had no effect when applied to the string of the lode or its sides.

8. Contact was made in many piaces along the cross-course, between the orth and south lode, without producing any deflection of the needle; but as son as the wire touched the ore in the south lode of the needle; but as son as the wire touched the ore in the south lode of the needle was power-olly deflected in the direction, indicating a current flowing from west to east, it in former experiments.

north and south lode, without producing any deflection of the needle; but as soon as the wire touched the ore in the south lode at 6 the needle; was powerfully deflected in the direction, indicating a current flowing from west to east, as in former experiments.

3. The connections were made exactly as on the last occasion, and the same results were produced, the direction of the current between the point 3 in the south lode, being from east to west. The large soil was now connected with that portion of the north lode jring at the point 7, being carried round through the cross-course, giving an extended langth of wire about twenty-two fathoms. The deflections were now 50°s, and the current from west to east, which is the greatest steady deflection yet obtained with the heavy needle.

36. The large gaivanometer and wire being fixed, as in the last experiment, the wire was carried round to the custom ead of the lode, and the connection made with point 7, the current was found to be in the same direction, from west to east. On this occasion the current was not allowed to flow through the whole of the wire on the coile, but small wires were attached, by binding servers, which econpleted by its connection with the galvanometer the electric circuit; this was found to increase the amount of deflection allightly. We now decided, by a reposition of experiments, that from all the points 1, 3, 4, 5, and 7, the electric current was pressing from west to east, but there were the point 2 and any of the others the currents appeared to lake a different direction.

11. The large gaivanometer was now fixed at d, and the connection made at 7, and with the point 2 and any of the others the current appeared to lake a different direction.

11. The large gaivanometer was now fixed at d, and the connection percentage of the shock of the content of the shock of the shock of the content of

Some experiments have been recently made at Punance Mine, by Mr. R. Fur. assisted by Mr. Joshua Fur, the following recults, with which Mr. W. Fur has kindly farmared me. I have, from their importance, with graticeman's permission, added to those obtained by Mr. Phillips and

afterweeks accumed that as departure from that reputed length has taken place, when in fact such departure does often occur. It would be vary desirable to have a moving outd applied to the new instrument, in order to lisited and the three by the ordinary indicators. This, it appeared, might be done with the attention from the continuent of the departure of the indicator in the property of the departure of the property of the departure of distinct curves for as many succeeding structes. The form of the springs of Professor Moseley's itsurument would be a decided improvement if substituted for the spiral spring of ordinary holicators. Mr. Farey had applied to an ordinary holicator a mode of exhibiting, at a giance, whether the engine was exarting more or less force than its ordinary spointed task; the plan answered that purpose, but, as it required the indicator to be always in action, the spring of the indicator bears and the action of the spring of the indicator bears and the provided to the spring of the indicator bears and the provided to the spring of the indicator bears and the spring of the indicator bears of the provided by the trial at 104 Ford, to be cample of one-hard we instrument were proved. It is not to be a spring of the indicator to be always in action, the spring of the indicator bears and the spring bears of the spring being was found to be exactly, according to theory, equal divisions with equal divisions, because the wire of the pring being wound spirally into a screw of small diameter, the spring obliquity of the springs. In ordinary indicators the scale should not always be equal divisions, because the wire of the bending force, as the apring is stretched, and less oblique as the spring being wound spirally into a screw of small simeter, the spring being the spring being a spring existed by the spring was very short; such indicators were judiciously propertioned, and they do not always the course of the print of the print of the print of the indicator was obliqued to the print of the print

the one card.

In answer to a question from Mr. Parkes, as to whether the new instrument had been put to any other test than its apparent agreement with Mr. Wichsteed's estimate of the resistance overcome, and whether the common indicator had been applied to the cagine at the same time? Prof. Monkey said that he had not compared the instrument with any other, but had subjected Mr. Wichsteed's calculations to a rigid investigation, and felt quite satisfied that they approximated closely to the truth. He relied upon them as corroborations of the accuracy of the instrument.

as corroborations of the accuracy of the lastrument.

Mr. Pankan observed that it would have been more satisfactory to engineers to have been assured that every means had been taken to demonstrate the truth of the results recorded by an instrument which had such important functions in view. He wished to know in what manner the pressures denoted had been accertained—whether by weights, or by comparing them with a moreorial column. He had found the latter mode more canet than weights in verifying the scale of the common indicator, as the instrument bring heated was then in precisely the same state as when it was in use. He had found that a certain amount of correction was frequently necessary, as both the spring and the amount of piston friction were affected by heat.

Professor Monaley replied that the lastrument had not here compared.

Professor Mosairy replied that the instrument had not been compared rith the serverial column, but that the resistance of the springs, and the riction of the piston and instrument generally, had been ascertained by very counsts experiments, so that he had full confidence in the results.

Defined Monks, was produced with energonic wire, finished up, and prevented leads in such is mading contact with the energonic colonies, but that the instrument had not here compared in making entered with the energonic colonies, but that the produce of the energy and the street of the street below, would, dividited, here produced a mend greater effect.

FIGURE AT THE EAST LONDON WATER, WORKS.

It is a line Wanter we produced the discreption of the theorem the street of the

work his region with steam reduced nearly to such pressure in the boiler as would herely suffice to bring the pixtus down. Such experiments would confirm or invalidate the results given by Professor Moseley's instrument, and probably lead to the discovery of its imperfections, should any exist. It appeared that Mr. Wicksteed conceived a greater amount of elastic force to be required to perform a stroke in proportion to the degree of expansion given to the steam in the cylinder. He would quote the pressures deduced by Mr. Wicksteed under five cases of expansion, as they exhibited some curious anomalies. They were taken from Table VI. of Mr. Wicksteed's Treatise. According to his table, when the steam was stopped at 6 feet of the stroke, the mean force exerted during the stroke of 10 feet was 13 lbs. per square inch; at 4f feet, 13d lbs.; at 4 feet, 14d lbs.; at 3f feet, 15d, lbs.; and 3 lbs. per square inch, was a constant quantity, so that, for some unexplained reason, an invariable load appeared to require a variable force to overcome it—a shiding reale of power, given as the measure of a constant resistance. It was possible that some small difference might have existed in the velocity of the stroke in these cases; it was also possible that some error camewhere, as it could not be granted that an effect, deemed constant in all these cases, ould require a varying cause for its production. As these appreciations differed whiely from each other, and still more so from the indications of Professor Moseley's instruments, Mr. Parkes hoped that Mr. Wicksteed would reconsider and verify this part of the subject. In corroboration of his opinion, that the acting force recorded by the instrument is too low, he would draw attention to the circumstances of miss and mounted only to about 859 millions, and it would not be unreasonable to expect that at least 150 millions hould have been the result under the different circumstances of miss and waster-work enginer, as 100 millions had been performed for some months by mine eng

LAW INTELLIGENCE.

TRESPASS-RIGHT TO COAL UNDER AN ESTATE.

NORTHERN CIRCUIT, LIVERPOOL—AUGUST 11.

JENKIN F. PRACE AND OTHERS.—The plaintiff in this action was named William Jonkin; the defendants were William Prace, John Sim, John Hayes, and Samuel Hayes, and the action was brought in consequence of an alleged

JENKIN PACE AND OTHERS.—The plaintiff in this action was named William Jenkin; the defendants were William Pace, John Sian, John Hayes, and Samuel Hayes, and the action was brought in consequence of an alieged trespass.

The SOLICITOR-GENERAL opened the case. As counsel for the defendant is this action, he said, the burden of the proof was thrown on him of the justification which was pleaded. The action arose from an alleged trespass committed on lands in the occupation of the plaintiff, who resided within the manor of Aspuil. The parties on the record were not the parties substantially interested. The plaintiff was the occupier of a farm under the device of a gentleman of the name of Walker, who purchased the estate from a person of the same of Grundy; and the first defendant was the colliery agent of Lord Halcarres was callide to enter on these lands for the purpose of working and digging out the cannel beneath them. The landiord of the plaintiff said that Lord Balcarres was callide to enter on these lands for the purpose of working and digging out the cannel beneath them. The landiord of the plaintiff said that Lord Balcarres was callided in two likely for a considerable time. The question, though a very important one, was not likely to be very interesting in the course of the trial, and it was likely it would ultimately tare into a question of law for the Judges' decision on the effect of cestain deeds and evidence which would be produced. Lord Balcarres part and the manor and been worked by Lord Balcarres. He considered also that he had a right to enter late the enance under different parts of the manor had been worked by Lord Balcarres. He considered also that he had a right to enter late the enance had been worked by Lord Balcarres had a right under one of the close of the close of the close of the close of the plaintiff. In the year 1878, and there was no objection at fert. Subsequently a Mr. Leigh, who acted as altoracy for defendant, resised the question, and stated that though Lord Balcarres had a ri

the case.
The learned Juneau said he would not trouble the jury except to return a dict for the defrodant. The evidence satisfied him that the clauses is stime were the clauses in the deed of 1678, and the plaintiff would have benefit of any legal objection by moving for a new trial.

On Karouter Acts, and the Surfaceate of Karoute.—In the present paper Professor Busson examines the higher stages of oxidation of kakedyl, and the sulphurets oursesponding to them. He finds that, by the oxidation of sikersin, either by the direct ection of the sir, or by means of oxide of soccury, kakedylle acid is formed; but there is also as intermediate oxide, which cannot be obtained in a state of purity, which considered to the similar to the hypomitric acid, and to be a combination of kakedylic acid crystallines out of alcohol; its composition in C* H* As* O* o* HO, this atom of water being constitutions, and only to be replaced by a base; it is solable in water, but not in suberaproperties of the arsente seem totally annihilated; eight grains administrated to a rabbit exerted no poisonous action. Kakedyl conshines directly with sulphur, forming the proto-sulphuret which has been already described. This compound takes up another stom of sulphur, and produces the bisolphuret. There appears also to be a tersulphuret analogous to habital phone. norihed. This component takes up the bisadphoret. There appears also to be a torsulphoret analogous in kakedylic acid; Professor Bensen has not, however, been able to obtain it in a puce state. From the above results, it appears that hakedyl is precisely similar in its behaviour to some simple metals, and the formation of hakedylic acid by direct oxidation is in exact opposition to Dutant theory of substitution.—Prof. Brivary: Trans. British description of the Farin

Upon the M'A-lam pris weather the traveller is a principle the stones became soon pulverised, the is blinded with doot, and in set weather be weather the traveller is blinded with doot, and in wel weather has to wade through a mass of med. All this, says the paper in question, is availed by the nau of a newly invested coller, of such extraordinary powers that the broken stones become a said and compact budy, as firm as a cack. We reprot that M. Dennas has not given us such a description of the public, which is the invention of a M. Schatterman, as would enable us to offer an opinion of its merits, for although M. Dennas assess that the new apation of road making has been applied with success in the town of Sectivalitie, we must be permitted to death! the powers of the newly-incoming leading and haring the experiment, which is said to have been made, before our eyes. before our eyes.

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PROCEEDINGS OF PUBLIC COMPANIES.

MIDLAND COUNTIES RAILWAY.

MIDIAND COUNTIES RAILWAY.

The annual meeting of the proprietors of this company was held at the station, at Durby, at twelve o'clock, on Saturday hat; it was very numerously attended (and somewhat boisterous), and did not terminate until half-past five o'clock. T. Dicay, Esq., in the chair.

Mr. Bell (the secretary) road the advertissment convening the meeting, and, after other preliminary business, Mr. Macauley read the directors'

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caths maght be regulated by the waste of the company, we create, and which call would be sufficient for two years; the money, therefore, and which call would be sufficient for two years; the money, therefore, and the sufficient for two years; the money, therefore, and the sufficient for two years; the money therefore, and the sufficient for the bear of the sufficient for the bear of the sufficient for the sufficient, provided sufficient for the sufficient for the sufficient for the sufficient, provided sufficient for the sufficient for the sufficient, provided sufficient for the sufficient for the sufficient, provided sufficient for the sufficient for the sufficient, such consideration of sufficient sufficient for the suffici

Hall's apparatus, in his report to the directors, and which letter was resiby the chairman to the meeting:

Gewysnusn,—I have this moment, for the first time, usen a report of Mr. Josial Kenzeley, cared oth instant, to the committee of management of the Middian Kenzeley, cared oth instant, to the committee of management of the Middian Kenzeley, cared oth instant, to the committee for not letting me see a copy of it, as he also on the occasion of his towner report—vie., at did Janusary—are obvious. Instead of the first mentioned report is a timese of most gas bled and incorrect statements, to see the mildest terms, and that it will prove a lasting monitored of diagrace to the writer, both as a nelectific mean and as as bonourable man. "Mighty is fruth, and will prevail," on will cre long he shown in this case. I have only time to use one argument in opposition to Mr. Kenzeley, statements, to control with you for the runding of your Prains of up nor exet, long than the present cost of first, giving you the needful needing the the more being held.

I am, Gentlemen, your's, he is need to the more more being bedd, I am, Gentlemen, your's, he GREAT WESTERN RALLWAY.

be side on the constant of the first present the shifting me are a copy of the shift on the better you meet this marring to are more than that I judge as the hard of the constant of the first present of the shifting measurement of degree to the writer, both as a described mean and as a state of the constant of degree to the writer, both as a described mean and as a state of the constant of degree to the writer, both as a described mean and as a state of the constant of degree to the writer, both as a described mean and as a state of the constant of the parameter, with a departation of the western Members, and he had no doubt that if the parkets on this station were made more powerful, and cortain prescenges which were not the most pleasant were excluded, the Government would reache them their aid for the conveyance of the coals. The chairman then went into the proposed negotiation with the Chelhenkern fluidway Company, and concluded by calling on the corretary to read the SEPORE.

The report studed that the gross recognis during the six mustles reading the 1803, Jose, 1842, were 2015,672. So. 24, for the three lasts - Green Worders, Challenham.

med Great Wordsen Union, and the Brintol and Resear. Of this num 273,8774, 179.46, had been received out the Great Western Railway exclusively.

In the control of the receipts. They were, however, only 107,300,7 (b). 76, for an average mains of the receipts. They were, however, only 107,300,7 (b). 76, for an average main of the receipts. They were described with 270,277,2 179. 46, for a distance of 184 an except in the control of the receipts. The mains are controlled with 270,277,2 179. 46, for a distance of 184 an except plants. The fluid mains are controlled with 270,277,2 179. 46, for a distance of 184 an except plants are controlled with 270,277,2 179. 46, for a distance of 184 an except plants are controlled with the last at months, we was a controlled to the fluid of the controlled of the fluid of the controlled of the fluid of the controlled of the control

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LONDON GRAND JUNCTION RAILWAY.

one, broke up.

LONDON GRAND JUNCTION RAILWAY.

The half-yearly general meeting of the propeletors in this company was held on Monday, the 15th instant.

W. Cash, Eq., in the chair.

The cierk having read the advertisement convening the meeting, the Charan-Nan said, as the intended operations of the company appeared now to be entirely at an end, the directors, of course, had nothing in the shape of a report to lay before the proprictors. They had prepared a short statement of the accounts, which the cierk would read, and which any proprietor could inspect.—From this statement of accounts it appeared, that, a fare payment of all outstanding claims upon the company, which amounted to 643, 11s. 11d., there was an available balance in favour of the proprietors of 35654, 17s.

A Pacorateron observed, that, as all chance of carrying out the railway had now consed, and as all the powers of their Act of Parliament ceased in July next, be suggested whether it was not absolutely necessary on the part of the directors to take immediate stops for the dissolution of the company, and dividing the halance in hand among the unfortunate shareholders.—Mr. Surrons (of the firm of Sweat, Suttim, and Co., solicitors to the company, said that he was not aware of any objection to such a course, and, if the matter was determined on, a special meeting count to called for the purpose.

—After some conversation, it was arranged that the directors should call a special meeting, for the purpose of taking into consideration the immediate dissolution of the company, and the divisions of the assets, and that due notice of the same should be given by advertisement.—Thanks were then voted to the chairman, and the meeting acquired.

MARYPORT AND CARLISLE RAILWAY.

charges, a clear surplus gradit of 10,259. 4s. 3d. reventions of the year cading 20th June. After payment of the per chare, in addition to the same amount paid on the hall becomber, 1041, the sum of 200. 5s. 3d. Is corried to the gam now amounts to 14,912. 9s. 6d. The report concludes it standing the great depression which has prevailed in almost trade during the past year, and the consequent dimine transactions, the aggregate returns of this bank show a concrete preceding year, arising from an atoession of new therefore, very gratifying to the directors to be able to a crease of tafe and profitable business, and that they have write off for the past year.

therefore, very gratifying to the directors to be able to report a steady in the directors, very gratifying to the directors to be able to report a steady in write off for the past year.

INSURANCE COMPANIES—THE INCOME TAX.

The following very able paper, by Mr. John Weay, the chairman of the university Life Innarance Company, on the Jacoma Tax payable by inversace offices, has been submitted to great suthercities, and contains principles and disturctions so likely to be of great suthercities, and contains principles and disturctions to likely to be of great submitted in, and the mixed; and concludes with a general addredum of great predictive?), and the mixed; and concludes with a general addredum of great prediction? And the mixed; and concludes with a general addredum of great prediction importance on the submitted to secure to the subscribing partice, at their decease, a certain present. After a given interval of years, a valuation of the inhibities and present. It is accurate to the subscribing partice, at their decease, a certain present. It is a found that the sums contributed have been larger than remember to secure the respective amounts psychological rise observed to show an approach to be required for a given object. The question than that this surplus cannot be called profit, but only a contribution beyond that that this is until manner this surplus shall be returned to the contributors; and this is until manner this surplus shall be returned to the contributors; and this is until manner this surplus shall be returned to the contributors; and this is until manner this surplus shall be returned to the contributors; and this is until manner than adopting the present surplus and the rate of premium being according to the predict of the mixed premium being according to the predict of the mixed premium being according to the predict of the mixed premium being according to the predict pages. In order to be perfectly and, and the contributors; and this is until manner to the form of the predict pages. The

of profits, nothing is payable either on profit or dividend on shares."

RAILWAY PROPERTY.—The pressure which has of late been so everyly felt in all commorcial transactions, has not, it appears, passed by this description of investment. At the meeting of the Sheffield and Rotherham Railway, on Monday last, the chairman stated that he had, from official outcomes, the following diminution in the receipts from railway traffic the past half-year, as compared with the corresponding half-year in 1841—

Birmingham and Giovencete had falses.

Diranges and Gromeck.

Crand Jenetics

Liverpoot and Manchester

and that, taking the average of all the merthern railways, a nimitar falling off had taken place.

Parventum or Railways, a scientific gentineam in Paris has applied his judgement to their prevention, and the result of his ingounity is an arrangement, patented in this country, which appears fully to most the humans and important object in view. It is no constructed, that should the asis be broken, or in any way displaced, the carriage may still precent question of its results a very sloople and ingonious countrience, and carried in the country, which appears fully to most the humans are indobted to Memors. Leading of Margaret sizes, Cavendish-square, for an important object in view. It is no constructed, that should the asis be broken, or in any way displaced, the carriage may still precent questions of its results a very sloople and ingonious countrience, and carried in the masses, and carried in the masses, and carried and the masses of its mortis. Should the constricted of the inquiry of the minute of its mortis, should the constricted of late, it will, indeed, confirm high bone at the property of the minute of its mortis and masses are the one which can describe the profits of the masses are the one which can describe the prevention.

The Diverse Bean Da Pavente ——The new (now patented) process

bosecurs upon the inventor.

The Devine-Ball-—Da. Pavenny.—The new (new patented) process of Dr. Payerne, of emplying oxygen for respiration under water, without the cumbrous attaclement of sic pump, pipes, he., is well worthy the simulation of exceeding the seen, and more particularly lines commercial with rub-matter operations. The Dector has heldy been making a comber of superiments in the diving-bell at the West India Import Duck, accompanied or every occasion either by an engineer of the company, or by some of the divers usually employed by them, and he has reacceded to the setting of the company of the company of the divers usually employed by them, and he has reacceded to the setting of the sett

the strict importantly and ordered by him white he hold those of force."—The three developes the was read and of office by redation. Then, Hartley, George Cowen, and R. Thom, Engl., were measurement for related.—If was then removed.—'That John Black, King, he appointed auditor and managing desirates, in the room of Hompstry fundations, Engl., was appointed another and managing chairmans, in the room of Hompstry fundations, Engl., and therege Hardlees, read to be Witteed Lowens, Bart., for his invaluable sorvices in forwarding the interests of the ruleway, and employing the distribution of shapes and employing the distribution of the contract of the ruleway, and employing the distribution of the same raised authorises of the ruleway, and employing the distribution of the same raised authorises to specific to a program of the market as the whole it is program of constitution, which is in program of constitution in the contraction of the ruleway and employing the directors with measure the post-through the same and an insert the program of the account the program of the contraction of the rule of gas, and from the chairman, not the market was non-framed, the wood to prevail, then broke up.

SIOURABULINGE AND KILDERMINSTER BANKING CLIMPANY. At the register anneal general avoiding of the programm of the rule was read, from which it appeared that, after deducting all convents. As an ordinary balloon can be resemble, about the respective area of the framework of the grantent measurement of the distribution of the program of the program of the respective and the program of the complete and the framework of the complete and the framework of the contraction of the contraction of the program of the program of the contraction of the contraction of the program of the contraction of the contraction of the program of the contraction of the program of the contraction of the program of the contraction of the contraction of the program of the contraction of the contraction of the contraction of the contraction of the contraction

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NOTICES TO CORRESPONDENTS.

Our Europeadents and Kukersigors are informed, that the business of the Useria Inverse will beneef with be conducted at No. 1, Crano-cours, Flori street, when

e addressed to the Eddar will meet adjection. All advertigements and citizens are reputated to be formered to the above address.

[Lincoln].—Copies of registered lists of shareholders in any of the joinguist size the provinced, for a nominal charge, on application at the flux six be provinced, for a nominal charge, on application at the flux six department at humorred House—would that such was the case with secondaries. ortable companies.

Resides Visitation's Lacronial on Cres. Recoveratio.—A few period in foodies Visitation of the Journal containing the lectures of Mr. Vignoise have made up, and one has bed at the office, I, Crans-court, Fleet-airset.

B. W. "(Cammenten). "The subject was notioned in the Journal a few weeks close, ser-Original Discretely." The subject was notioned in the Journal a few weeks close, ser-Original Discretely as well as the winner the Granual is addressed eliment from the collection of the well as the collection of the partial partial property of the Journal. For corriedyne, we can play may, that the family increases with reconstruction of the crief particularly newally observed by new appetit, leads as he conclude that the bigues tooks about with the bright confidence, we shall be glad to receive communications at all times from our subscribers which we had be glad to receive communications at all times from our subscribers where he glads arises.

E. P." is informed, in reply to his letter, dated " livsham," that the publication afterwedter has been discontinued for the present.

THE MINING JOURNAL. Mailway and Commercial Gaiette.

LONDON, AUGUST 20, 1842.

The advantages contemplated from the use of coal in locomotive The advantages contemplated from the use of coal in socomotive-engines on railways, by the application of Hall's, Chanten's, or other patents, which have been taken out with this object, have in-duced us to direct our attention to the subject; and, in addition to personal inquiries and investigation, we have availed ourselves of all information to be derived, either directly transmitted by cor-respondents, or from the columns of our contemporaries. Within of all information to be derived, either directly transmitted by correspondents, or from the columns of our contemporaries. Within
the past two or three weeks the merits of the patent taken out by
Mr. Sanum: Hall, have been discussed in our columns, but not
considering the question at issue sufficiently ripe to call for any obzervation on our part, and anxious to hear both sides, we avoided
ony, notice, other than that attracted by the insertion of the letters—
but, insemuch that the question has now assumed a different feature, arising from the report of Mr. Kanmiley, the superintendent
of the locomotive department of the Midland Counties Railway,
presented at the meeting of proprietors, held on the 13th inst, we
cannot allow a week to pass by without offering some observations
on the report of that gentleman, and the caustic reply, or notice,
of Mr. Namum. Hall. It will be necessary to follow closely the
statements put forward within the past few weeks; and as the discussion arose, in a great measure, from a paragraph which appeared
in our columns on the 6th instant, we here revert to it.

The statement made was to the effect, that the working of lo-

on our columns on the 6th instant, we here revert to it.

The statement made was to the effect, that the working of loconnotive engines on the Midland Counties line with coke costs
mure than 170 per cent. that of coal—the Wolf locomotive-engine,
with Mr. Hakt,'s patent apparatus, which went to work in May
last, having run a distance of 1024 miles—the average consumption of coal being 56 lbs. 10 os. per mile—the cost of coal being
7s. 11d. per ton; while the average consumption of coke, in running
1310 miles, was 65 lbs. 4 os. per mile, at the cost of 20s. per ton
of coke.

This assertion called forth a denunciation on the part of "A Railway Director," who, in a letter addressed the Editor, in which he most unfairly draws a deduction, and which the facts by no means warrant, says that the consumption in the best engine is at present not more than 33 lbs. per mile, and, hence, the working of the Waff is not attended with the advantages held out, while be omitted in notice the comparative quantities of coal and coke used with the sense engine—indeed, he might equally apply his observations to the comparative powers of the engines of Cornwall, noticed in our present Number, where he will find the average duty to differ very materially. We do not, for a moment, doubt but that local manuscript was a fair result we must apply coal and coke to the mile, but to arrive at a fair result we must apply coal and coke to the name angine, for if that in which coal is employed be the worst of its class and that used as an illustration, where coke is the material, be of the best description, the comparison is most unfair. We do he of the best description, the comparison is most unfair, nost pretend to follow the writer in his observations on the miral complications." not pretend to follow the writer in his observations on the "chemical countries," for we are, in common with shareholders in fairways, "matter of fact men," and look to the results as a matter of postude, shillings, and pence, the object being to arrive at correct data is regards the economy in fuel, and, next, the consideration, whether, by economicing fuel, we do not subject ourselves to other costs, as wear and lear, by any destructive properties inherent on the applications of the raw material. Such are the real questions to be considered, and it is with the object of examining the evidence past forward pro and one, that we are led to outer on the outpets, and devote to it more than ordinary space.

We are thus told by "A Railway Director," that one objection to the use of enal—and that a serious one, if the premises to outer the difficulty of obtaining coal sufficiently free from analysius; to about the injurious and destructive effects upon the beaut

plant, in which the injurious and destrictive effects upon the heart substance and coupled for the besieve, as the chemical couple, and compared for heavy at the besieve, as the chemical couple, continued the besieve, as the chemical couple, and continued the besieve, as the chemical couple, and continued the besieve, as the chemical couple, and continued the besieve and coupled the services of coul at the service in the services. However, there called the services in the Midhard Counties Railway Propries to "A Railway Everger". This next of the services in the Midhard Counties Railway Interior. The services the opinions at which he has arrived, and who, moreover, the continued the opinions are the confident on the cheevestories for a part of the services the opinions are the great counties and the services of "A Railway Interior." This services the opinions are the great counties and the services of r, to about the injurious :

production of "A Railway Director." It does not, however, stop here, for, so far as our evidence at present goes, it is clear that the quantity of coal used does not exceed that of coke, while the difference in coat is as 7s. 11d. per ton on the former to 20s. per ton on the latter—no trifling consideration, and which, we believe, will be admitted, both by directors and proprietors.

Without entering into the chemical combustion and affinities as regards the injurious effects produced on the brass tubes and copper fire-boxes by the use of coal, we are content in taking the reference made, by "A Railway Proprietor," to the Leicester and Swannington, and other lines of railway where coal is used instead of coke, and where, our correspondent states, on information he has received, "the copper tubes last three times as long with the use of coal as they do with that of coke." We are perfectly aware that much depends—indeed, everything—on the nature and quality of the coal used, as, in some districts, a sweet coal or coke is to be obtained, while, in others, it is so charged with sulphur as to afford no fair comparison. To this letter a rejoinder on the part of "A Railway Director" appeared under date the 12th inst., in which he states that he is given to understand "there is no doubt now, after a long-continued trial, that the injury arising from the use of coal is greater than the saving effected in the cost of fuel," thus, in some measure, anticipating Mr. Kranslen's report, of the contents of which it appears the patentee was ignorant at that moment. The parapraph which immediately follows we confess we cannot comprehend; the writer saye—"Nothing but experiment can determine this point, and I only contend against the abourd folly which would advocate the adoption of any new and doubtful invention, until sufficient experiments have been made on a small scale to test its value." The value of the opinion thus given, as we have already said, we cannot comprehend. We are first told that after a long-continued trial on a small scale to test its value." The value of the opinion thus given, as we have already said, we cannot comprehend. We are first told that after a long continued trial on a practical working, and large scale, the patent is found to be impotent, and yet the writer contends that experiments on a small scale should be made

writer contends that experiments on a small scale should be made to test its value.

We here leave the correspondence, and proceed at once to the report of Mr. Keauser, which involves a question of so much importance to the railway interest—negatived, as are the assertions contained in such report by Mr. Hall, as also by Mr. Wm. Smith (whose letter will be found in another column), as well as the circumstance, as we are advised, that the London and Birmingham Railway contemplate the application of Hall's patent, that we feel it due to the railway proprietor, as well as the patentee, to direct especial attention to the prominent parts of the report referred to. Before entering on the report, we may, however, here observe, direct especial attention to the prominent parts of the report referred to. Before entering on the report, we may, however, here observe, that if, on the Midland Counties Railway, coal costs but 7s. 11d. per ton, the question becomes one of paramount importance to those districts which possess not the advantages obtained from the line passing through a part of the country where, from their locality to coal-fields, the advantage of cheap fuel is secured—as, for instance, the London and Brighton line, the Eastern Counties, the South-Western, and others which we might readily cite.

Mr. Kansassay, in his report, refers to that given by him in

South-Western, and others which we might readily cite.

Mr. Keassley, in his report, refers to that given by him in
January last, wherein he stated that the result of the experiments
made with Mr. Hall's apparatus was "a great reduction of expenditure from the use of coal," the report so made, however, being
guarded by the following words:—"Provided the action of the fire,
and the great body of gaseous matter generated and ignited by the
apparatus on the different parts of the boiler and engine exposed to it, he not so prejudicial as to counteract the saving in fuel by increased wear and tear." In the report submitted by Mr. KEARS-LEV at the meeting held on the 13th instant, that gentleman observes, that, having applied the apparatus to the Welf engine, he had tested its merits by running it 1500 miles, at the rate of 100 miles, at the rate of 100 miles, at the rate of 100 miles. had tested its merits by running it 1500 miles, at the rate of 100 miles a day, the average expense with coal being 12id, per mile. "The rapidly destructive effect of the flame from the coal (says Mr. Krassley) caused a delay of several days, not only during the experiment, but afterwards, before the engine could proceed to work with coke." The necessary repairs having been completed, the engine was again placed on precisely the same duty as in the experiment with coal, coke being used on the second occasion, when it was found that the cost per mile, including coke consumed, driver's wages, repairs, and other expenses, was only 10id. The cost of repairs, he adds, "after the use of coal, was great—after the use of code only 11. 7s. 1d." Mr. Kransley proceeds to note other objections, which he considers of an important nature, from the tendency arising from the use of coal, not only to the great injury and depreciation of the engine, but to serious accidents, to which there is a constant liability, and further observes, that the consumption of coal in trials made on the North Midland Railway was 25 per cent. over that of coke. The following extract from the report so forcibly expresses the opinions entertained by

Railway was 25 per cent, over that of coke. The following extract from the report so forcibly expresses the opinions entertained by Mr. Karasary, that we here quote the words:—

With these facts solites me, clicited by any own experience, and confirmed by the aspectence of others, I must certainly cannot recommend you be proceed further in a project so dangerously successing in fit results, and which would ontail constant express without any prospect of eventual good, with a certainty of requiring a much larger number of angions to do the sacre quantity of work. * * I constantly redicesting what I haprened to you twelve months upon, when this contract his redicesting what I haprened to you twelve months ago, when this contract has described executions, tender their persent construction, "and "running at the high spinel equipment on the railways of the present day."

We learn further, from the report of the proceedings at the meeting, that Mr. T. RAYHBONK (of Liverpool) stated it to have been the intention of the engineer on the London and Birmingham line to have been present, but who was prevented by illness. That gentleman, said Mr. R., whose experience and judgment was great, had stated that from the nature of the machinery, and the high speed at which the engines travelled, Mr. HALL spparatus could not be otherwise than somecosaful. We notice this assertion, because we are informed, on good authority, that the application of HALL's patent is contemplated on the London and Birmingham line. Having given an outline of the report of Mr. KRABLEY, we

HALL's patent is contemplated on the London and Birmingham line.

Having given an outline of the report of Mr. KRABLEY, we now arrive at the letter of Mr. SABUEL HALL, noticed in our entry remarks, in which he observes, that up to the day on which the neseting was held be had not seen a copy of the report, as on the former occasion in January last. Mr. HALL, who writes with avidently excited feelings, states that the report, "is a tissue of goost girbled and incorrect statements, to use the mildest terms, and that it will prove a lasting measurement of diagrace to the writer, both on a containing man. and as an homographic man." It remains now for it will prove a lasting monument of diagrace to the writer, both so a scientific man, and as an homourable man." It remains now for Mr. Hall, to show that he was warranted in thus applying language of so alrong a nature to Mr. Kransley, who, is his official questity as superintendent of the homoustive department of the Midhard Counties Railway, those calmiy and dispassionately expresses the opinions at which he has arrived, and who, moreover, brings forward figures as avidence confirmatory of the opinions so enterlained. If that his figures be the result of experiment, founded on correct data, them Mr. Hall, will find his task one of difficulty; but, on the other hand, if that, as we apprehend, assumptions are construed into facts, then will his office be equally easy.

that "the Manchester and Leeds Company have made a similar trial, but with such unsatisfactory results as to cause them to abandom it also," meets the assertion by declaring it to be "a most gratuitous falsehood." We must, however, refer our readers to the letter, as well as those others to which we have made reference. In closing our remarks on the subject, which we have treated on at greater length than is our usual practice, except in cases like the present, which we deem of no ordinary importance, we cannot but express our hope that Mr. Hall will be able to refute the statements put forward, and that the railway proprietor may be benefitted by the patent in the use of coal instead of coke, whereby economy may be effected, and dividends increased, or fares lowered. The question will excite interest, and we can only express our earnest desire to lend our aid in any inquiry that may be undertaken—to promote which our columns will be found open to correspondence.

REVIEWS.

An Experimental Inquiry into the Adeantages attending the Use of Cylindrical Wheels on Railways, &c. By W. J. Macquoan Raheine, C.E. R. Grant and Son, Edinburgh.

The object of the pamphlet under notice is, to use the author's words, "to describe a simple and practical method of removing a source of inconvenience, expense, and danger in the use of railways," and which consists simply of the use of cylindrical instead of conical wheels, the latter being used on all railways, with one exception, to which we shall have bereafter occasion to refer. To enable the railway carriage or locomotive to pass with ease round curves, the wheels are made of a slightly conical form in the tire, so as to enable them, by shifting spontaneously to one side or the other, to present thereby a larger diameter of wheel to the outer rail so to adapt themselves to different curvilinear tracks. In comparing the conical with the cylindrical wheel, the author states that by the continued oscillation of the carriages from side to side, describing in reality a series of small curves, this vibratory motion generates a resistance which increases with the velocity, and is so great that the power required to draw a load on straight lines and on curves is nearly the same, and is more than double the power which draws the same load on a straight line with cylindrical wheels. This is one of the objections raised by the author to the use of conical wheels, in addition to which he remarks that the oscillation of the carriages renders them liable to be thrown off the rails by a very slight obstruction or irregularity, and has, undoubtedly, been the cause of serious accidents; it also gives rise to a series of lateral shocks, which tend greatly to increase the wear of the track carriages and machinery; it is further disagreeable and inconvenient to passengers, of which we have ourselves had frequent practical experience; and Mr. Rankine adds, that "conical wheels, from the unequal pressure and friction upon different parts of their surface, become wor

practical experience; and Mr. Manane and, and the unequal pressure and friction upon different parts of their surface, become worn into irregular shapes, and are soon unfitted, alike for curves and straight lines."

With respect to cylindrical wheels, we are told that they possess none of these defects—"the motion of carriages running upon them is, when the track is in good order, perfectly steady at all velocities, and quite free from lateral oscillation; the saving of power which their use effects on straight lines amounts to about one-half the resistance of the same load upon conical wheels, and their greater safety and durability are necessary consequences of the first mentioned advantage." The author proceeds to observe, that the advantages possessed by cylindrical over conical wheels is known to every engineer, but an opinion has hitherto prevailed that it is not possible to make them pass easily round curves, which appears to be the only obstacle to their general introduction. The experiments made on the Edinburgh and Dalkeith Railway, where none but cylindrical wheels are used, however, convinced the author of the error of the opinion so formed. This line is worked with horses, and although not originally intended for passenger traffic, now carries from 250,000 to 300,000 annually. It is described as being by no means well suited for obtaining the menumum resistance to draught, for its surface is much disturbed by the falling in of coal wastes beneath; and it is so indirect in its course, that, in a distance of seven miles and a half, there are as many as twelve curves of radii, less than half a mile, and several of them less than one-eighth of a mile. It is, therefore, fair to presume that, on railways better constructed, the advantages will be considerably increased. Mr. Ranking thus describes the line, and application of cylindrical wheels.—

The curves on this railway were originally laid so as to have an elevation of the outer rail above the inner, sufficient to counteract the contribugal forces at

therefore, fair to presume that, on railways better constructed, the advantages will be considerably increased. Mr. Rankine thus describes the line, and application of cylindrical wheels:

The curves on this railway were originally laid so as to have an elevation of the outer rail above the inner, sufficient to construct the contribugal force at the low velocity used, but will quite innercontent to recent the same of the cylindrical content where the recent which is not to train where the same and the low velocity used, but will quite innercontent to the same as to train where a contribute of the control rails with such times as to train where, however, it was determined to adapt the track of the curves to the use of, the former, by increasing the elevation of the control rail. Yet as it would have been humanized to incontent the control have been humanized to increasing the elevation of the control rail. When his proportion is to suffer a same training hour it was likely to work, the improvement had to be put off actif a sail rail to experiment presented little. Which fid not occur until the year 1627, when a branch railway was being curried to the harbour of Leith. The elevation of the control rail of some of the curves on the hearth of a control with the sanitance of the theoretical investigation contained in the second section of this many, a general rule for the adaptation of curves to cylindrical wheels has been deduced from those experiments, and early all the curves on the Edinburgh and Dalatelf Railway have been adjusted accordingly. The result has been an unequalled encoethness of notion and case of drangit, as the experiments detailed in the their section of this escay prove. Such is an outline of the work, and would willingly pursue the subject further, but as the examp, or inquiry, will doubtless find its way into the hands of every railway engineer, who will be able to test the accordance of increasing the rail of the such course of the course rail in curve dines for different railii, in the first

The saving of power effected by using of Endered whopis, however, is a straining to comparison with their aspectority ever control wheels in parity. It is well known that to-monetive engines anoting at a high spend are to be therems off-the rule by triding strainers; and, indeed, that there can heap of spendancement, without harding and with any obtained that can be de This without arises from the control of the carriege, and expenditured. This weightedly arises from the corposationed, that a curryinger, seen requestion and the content of the conten

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SALUMAY AND COSMISSIONAL GAZETTS

SOLUTION AND COSM

These betitie scales of black exide be stratified with charconi powder in a close crucible, and submitted to a similar degree of heat, the charconal will seem deprive them again of their oxygen, and they will be once more restored to the fertilite plates of malicable iron. I even sourceded, in the short space of two hours, with heat a bright charry-red—by means of a small crucible and unional charconi—to restore this exists of black oxide to the flexibility of wrought-iron, while this splinters of iron ore, which I had also inshedded along with them, only became black and spongy; but the affaity of malicable iron he caygen is so strong, that although surrounded with coal in the forge face, if the heat is carried too far, it becomes combinatiole, catches for of it self, burns, hisgen, and hisses, scaling off cornectations and streams of fire in all directions. Even with iron at a good red heat, if a stream of air be directed again is cornec—as is cometimes done with forging essait articles—combination will go on, and the heat may, by this means, be continued or kept up, sithough at the expense of the iron itself. The tendency of east-iron likewise to combine with oxygen, is beautifully shown in the extreme inflammability of the fine dust of cast-iron borings when thrown over the flame of a candle, or in the heautiful covacations and showers of fire produced by the sprey from the bot streams of iron issuing from the cupola, or the sparks of metal thrown off from the founders' ledles. These observations at once show the reperior affinity that oxygen has over either the carbon or the iron, and how readily these latter substances dissolve their union—or cast-iron partarship, if I may so call it—to form new unions of their own with the oxygen of the atmosphere.

Now, could we conceive a more injudicions and unacientific plan, for the purpose of producing a highly each or the carbon or the long.

of the atmosphere control is study are articularly as all nucleating plans, for the persons of producing a highly architected or soft exations than the form of the persons that formers, where the over-formed model, richticing lawys or small rills in its densent to the hearth, most full hole, mis with, and he dashed at the riving the trace of the control of the con

(To be complicated to one month.)

ON THE COMPARATURE EXPENSE OF BRINGING COAL TO THE PIT BOTTOM SE SHAMS INCLINED AT THE AND THIRTY DEGREES.

The working of one has not yet been embodied into a science; not only has each country its distinct system, but even in the same locality, in the same country, seams similarly dicremstanced are worked in a different menner. The Society of Commerce of Brussels, which is deeply interested in the mines of Belgiem, having required an explanation why the expense of working the same seam, at its inclinations of tan and thirty degrees, was different, the following note was prepared for their instruction:—in the mines situated to the west of Moss, the worken in the pit are divided into four classes—lat, the cutters of the coal, or the coal sewer; they work in the earlier part of the day. 2d, the cutters of the roads; they end down the roof, in order to obtain height for the roads; they work in the afternoon. 2d, cutters up of the floor, and the builders and stoppers of the wasts; they cut up the floors towards the wall face, where the howers have worked in the morning, and with the materials thence procured build up the waste behind the wall face and between the two adjoining roads, leaving a smilleient space clear towards the wall face for the working of the hewers on the following day, and for the course of the air; they work during the might. 4th, the hurriers, who transport the coal to the pit bottom, or to the horse roads; it they work at the name time as the hewers. The following may be laid down as general principles which ought to guide, in the working of a seam, which has been reached either by the shaking of a shaft or by a drift across the strats. The workings ought to be confined to the side of the shaft, or drift, in order to make use of the vacant space, in the abandomed roads, to deposit the rubbish produced in the sinking of the shaft or driving of the drift. The wall face should be so disposed that the ware show, below, or in the middle of the seam. The wall faces should not have a slope of above

we laid down. This facility of approximation is account of the series.

Figs. 5, 6, 7, and 6 represent the workings of a seam at twenty degrees of inclination. Fig. 5, which gives the horizontal plan of the workings, shows that the ascending roads, which terminate at the wall faces, B, C, D, E, F, G, H, I, are oblique to the direction of the level, which terminates at the wall face A, because we suppose the seam to have an inclination of thirty degrees, and the ascending roads caunot have an inclination of more than ten degrees, in order to facilitate the subterranean transport to the heading.

D. E. F. U. H. 1. Are encourse we suppose the seam to have an inclination of more than ten degrees, in order to facilitate the subterranean transport by the barriers.

A well face of the breadth of fifteen metres, from O to P, can only be obtained when the level is advanced forty-five metres. The level, then, seast be advanced 270 metres, in order to obtain seven well faces, which are requisite for the extraction of 10,000 hectolitres of coal weekly, from a seam of the height of 0-60m. It is only, then, by means of roads of a signar form (in refourness), which are always more laborious and inconvenient for the burriers, that it is possible to limit the workings to one side of the shaft or drift. These signag roads are indicated in figs. 5 and 6 by the letter A. The same figs., 5 and 6, show that the roads which terminate at the well faces A and B, are not in the middle, but at the base, or lower part of those wall faces, because the front of the wall faces, or board, being placed according to the inclination of the seam, which is here of thirty degrees, it would be difficult to get upon the road the coal which has been cut below it. The rubbish produced in the preparation of the reads which to his here of thirty degrees, it would be difficult to get upon the road net he all built up in the space intervening between these two reads, so that a part must be carried up into the higher wall faces. Pig. 8, which gives a transverse section of the level A, and of the first ascending road B, makes this truth sensible to the eye. This difficulty in the building or stopping of of the weaks is the principal canno of the increased expense. A pit, at the colliery of Wasmes, where the seam of Grand Gaillet is worked, requires for an oxtraction of 10,000 heroditres weakly elecen builders of the oxade the coad terminates in the middle of the wall face, fourteen cuttern up and building, at one from per day—any gighty-four france—suffice for the same next action of 10,000 heroditres. The coat per heroditre would then only conce t

faces have only, in fig. 1, one-third of the length which they have in fig. 3, so that the deration of the timbered reads is three times that of the roads which are not timbered. The expenses, three, under this head, increment. I rationaled that there are required right workmen at 2.50 france per day, two believes at 1.50 france, and three labourers at 1.50 france—any 160.50 france per week. This sees distributed on an extraction of 10,000 beckelitres, gives 0'-0162 franc per bertelitre.

bercholdren, given 0:01ci2 frame per bortalitre.

The describes of the assenting couls, in the case of a sum at thirty degrees, is the cases that it is switches possible to make use of horses for the interior treasport in the workings of such a sum. The following is an estimate of the cost of this transport in the two exact of a sum at ten and thirty degrees of insidiation:—

1. Case of ten degrees—fig. 1.—Two horses travel along the level from th M to C. a distance of 12h actives, and east per day, including the wages of the delever and the stuble man, filters frame. The level along which the horseines travel along the travel for such the horseines travel along the cape of the delever and the stuble man, filters frame. A horse is requisite for each norm meters of this length. The sucrending road has a length of nimity-flow motion. A horseir is requisite for each 3:25 gasters of this nimely-fine motion. A horoter in requisits for each 3-23 metres of this length. There are coquired, then, on an avange, 195 barriers for the

linterior transport, which, at three frames per harrier per day, will cost 55-50 frames—which, added to fifteen frames for the horses, make a total of 70-50 frames—say 423 frames per week—say 0-04331, per hertolitre.

2. Case of thirty degrees.—The length of the level is 310 metres, at seven metres per hurrier, 44-28. The ascending road is 251 metres, at 5-25 metres per hurrier, 44-28. The ascending road is 251 metres, at 5-25 metres per hurrier, 44-28. The ascending road is 251 metres, at 5-25 metres per hurrier, 47-80—mean 46. There are required, then, on an average, forty-six hurriers, who, at three frames per day, cost daily 10.3 frames, or weekly 528 frames, per 10,000 hectolitres, which brings the cost to 0-08-28 frames per hectolitre—exceeding the cost in the case of the seam at ten degrees by 0-0405 frames.

To reespitulate the excess of the cost of bringing to the pit bottom the cost of this seam, when the inclination is thirty degrees, over the cost of the same seam when the inclination is thirty degrees, over the cost of the same seam when the inclination is the degrees, appears to be on the several heads as follows:—Cutting up the floor, and building the waste, 0-0156 frames: cutting down the roof for the roads, 0-0133 frames; keeping up the roads, 0-0167 frames; interior transport, 0-0405 frames—total, 0-0861 frames per hectolitre. We have not mentioned the excess of onisomption of timber and other articles. I estimate this excess at 0-0139 frames. In conclusion, the extraction of coal from a seem at thirty degrees of inclination, costs 0-10 frames, or ten centimes more per hectolitre than the extraction from the same seam at ten degrees of inclination.

(We regret that we are unable to find space for the beautifully executed and comprehensive plan and section which accompanied this important commanication, but we find they would occupy more space than could possibly be appropriated in a publication of this is ind, but those of our renaires who wish to inspect them—and they are well worth the troub

but we find they would occupy more space than come with to inspect them—and they are well worth the trouble—can do so on application at our office.]

BRITISH FORSIL MAMMALIA.

A few weeks since we published a letter addressed by Mr. E. Charlesworth to the Editor of the Athenaeum, respecting the paper submitted by Professor Owen to the British Association. "On British Fossil Mammalia." in which Mr. Charlesworth expressed himself as being at variance with the opinions of the learned Professor as to a fossil skeizion ladely discovered at the village of Blacton, on the coast of Norfolk, and now deposited in the Norwich Museum; in answer to which letter the following has been forwarded from Professor in the to-devel of the fossil in the Norwich Museum; referred by Mr. C. to some common reperint me to observe that evidence derived from examination of the jaws of the fossil in the Norwich Museum, referred by Mr. C. to some common revenant with the fine gradations by which the smaller sub-genera of anophotherian packyderms merge into the raminant order, woodly pass before a committed himself to a decided opinion upon maxiliary or dental characters alone. Any one, not a practised comparative anatomist, might be warred of the danger of a mistake on this point by the following passages in the text-book of paleocutology, with which so one supicing to the title of geological would willingly be thought unacquainted. Cavier, for example, says of the text of the danger of the molar soft the runnianation of the danger of the danger of the molar soft the runnianation of the danger of the d

THE MINES OF PRUSSIA.

THE MINES OF PRUSSIA.

An official return of the produce, in 1839, of the mines of every description in the kingdom of Prussia, states it to have been 21,000,000 of thalars, or 70,000,000f. In obtaining this produce 65,231 workness were employed, and their wages amounted to \$25,00,000f. The importance of (the several kinets of produce is thus stated:—Iron, 79.96 per cent.; nine, 7.70; cupper, 4.35; lead, 7.30; silvey, 2.37; nine, 4.37; smalt, 0.35; vitrioi, 0.70; and assente.

0.12. The principal mines are in Silvenia, Saxtony, Westphalia, and the Kinenish provinces. Those of iron alone occupied 25,001 workness. Rough smelting in pigs, weighing 1,064,535 metrical quintais, valued at 17,127,0004. In bulleved to have sequired a value of 42,410,000f., by being translatered into wrought-tron bars, wire, Ac. The value of the others was as follows:—Zine, 4,075,000f; copper, 2,300,000f; cities, 1,250,000f; cities, 1,250,000f; alon, 730,600; smalt, 440,000f.; vitrioi, 420,000f.; nad arsenic, 66,000f. In 1830 there existed 35c onal mines to Silvaia, Westphalia, and Rheatsh provinces. In Saxtony there is only antisracite cont. These mines produced 13,213,610 bose of cond., of the value of 19,240,000f. From 1814 to 1819, the amount of coal racined in the kingdom of Prussia was 4,42,627 boss; from 1819 to 1804, 6,000,564 boss; from 1824 to 1829, (837,723) tums; from 1820 to 1834, 8,324,510 tons; and from 1824 to 1829, (837,723) tums; from 1820 to 1834, 8,324,510 tons; and from 1824 to 1829, (837,723) tums; from 1820 to 1834, 8,324,510 tons; and from 1824 to 1829, (837,723) tums; from 1829 to 1834, and of Saxton, from the hingdom of Prussia was 4,42,627 tons; from 1819 to 1804, 6,000,564 tons; from 1824 to 1829, (837,723) tums; from 1829 to 1834, and of Saxton, from the hingdom of Prussia, was 4,42,627 tons; from 1819 to 1804, 6,000,564 tons; from 1824 to 1829, 1823,510 tons. The control particularity of the Regency of Tralves, are expected to France, therefore, and particularity of the Regency of Tralves, are expected to F

Pannanton or Cutonine or Zuvi.—Take pure crystallised chlo-ride of horizm, 80 gram.; pure sulphate of sinc, 58-6 gram.; pure dis-tilled water, 1500 gram. Divide the 1500 of water into two parts; dis-solve the sulphate of sinc in one of thom, and the chloride of barium in the other; mix the two solutions in a matran; accelerate the decompothe other; sex the two anistions in a matrans; accelerate the decomposition by means of the heat of a said-bath, for only a few minutes; filter, and evaporate in the said-bath until only about 60 grammes of liquor ormain, which ment be received on a fresh filter, on which is laid some natural otherwist mitted with a few readigrammes of providered chlorida in bactom; the chloride being filtered, it is evaporated until the product, left in itself, is presented under the form of crystalline flocks of a brilliant white, which are preserved in a well-closed unnel when they are dry.

On a Naw Parander Onvarance shows Co.a.t. Naruna.—The substance described was obtained in the congress of scena investigations on an oil which Mr. Leigh discovered about they years and a bail upo. as the result of a

Mr. Leigh discovered about three years and a half ago, as the result of a survivor of nitric and sulpheric soids on purified out neighbor. In their behaviour with pulsass, both in approva and alrehalic solution, the prystals now brought under notice of the section by Mr. Leigh have much tain new trought under notice of the section by Mr. Logis have much sealing with the oil (blie that of hitter almosals) obtained at the cancel time with treus. The oil when extensively exposed to the action of evyges becomes a crystalline solid, letting mench the same approximate as these crystals. It is probable the crystals differ from the oil in containing a quantity of oregon. Mr. Leigh has made as analysis of those companying.

—Mr. Legen: Transactions British Assessition. cale of same it for the assumine of the letter of the count, same raines the bur amount thing a profits 1 ith in

commer of the g part of of eight winze of the june kind of gas in t driving mouth, one of t quarter vara, as winge to and but to the is ployed; includin San A level of menced to go the to conti memced and provares de time also south, e dislocatibas not it seems junction present contains though it from thi while the wise.

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MINING CORRESPONDENCE.

POREIGN MINES.

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UNITED MEXICAN MINING ASSOCIATION.

Characterist, Jane 17.—I beg leave to refer the court to the incinced duplicate of my inst better, dated at the city of Mexico, the 1st inst., and, at the same time, to hand to you herewith the following documents in original, &c.:

Mise of Eagus and New Contract.—By subsequent betters from me the gener will have been informed that not only the balance of #1456 1 4 due to the association, as profits of the mine to the 31st December last, but also that all future similar profits, after becoming divisible, have been received by the association, in pursuance to the terms of agreement existing between the mine owers and the company, and dated the 20th January last. The profits of the mine for the four weeks ending the 21st ult., were, as stated in my letter of the 1st inst., #14,011 3 6, and, during my absence from hence, the portion thereof—eag. #7981 3 5—corresponding to the 135 bars mortgaged to the association, was punctually received by Mr. G. R. Gleenie, in virtue of the power of attorney, and instructions left him by me for that purpose. The various productive workings of the mine, and the sales for its sole account, and those on joint account with buscones, have continued to give the same results up to last week, as compared with the preceding mouth; but, since then, a falling off in quality is visible in the ores on joint account with the buscones, which it is expected will produce a corresponding effect on the amount of sales now going on at the mine. In other respects there is nothing new or interesting in the mine worthy of notice here, except that the profits divisible to—morrow already amount, for the three weeks ending the 11th inst., to #226 2 5, and, with the present week's produce, may reach about \$1,2,000. With reference to the subject of a new contract, nothing whatever has transpired since the date of my last letter to the court.

*Resultances.—The next Tampico conducts will leave hence in about a month, and by it I purpose remitting to the directors such amount of funds as can then be spared f

whatever has transpired since the date of my last televir to the court.

Remifinence.—The next Tampico conducts will leave hance in about a month, and by it I purpose remitting to the directors such amount of funds as can then be spared from my ways and means.

J. N. SHOOLBARD.

BOLANOS MINING COMPANY.

Zacadecas District, May 23.—Sac Clementr.—The sinking of San German shaft, as proposed in my letter of last month, has been carried into effect, and its depth below La Laz level is now 10-21 wars, which is found sufficient for the purposes of containing the accumulated matter from this part of the mine by alght, and with one malanest only by day, with sight borses at present employed on the drainage. San Formands leved that have a little imperitual of the same level which a fitter inches wide, have assayed private, and someton, the whole width of the vein is about one and a half wars, composed of quartz and brooze calieras. About a fortaight since we commenced driving the same level west on San Clemente wise to make trial of the ground below some workings at La Luz level, near the Guarda Raija; a part of these workings was sometime since abandoned at about the depth of eight varas below La Luz, on account of the low ley of the ores, and a winne called San Silvestre, still sisking about eight varas further north, near the junction of San German, has been extended seven wars during the month, and the vein is wide and promising. The La Luz level, driving cast of San German, has been extended seven wars during the month, and the vein is wide and promising. The La Luz level, driving cast of San German, has been extended seven wars during the work, and the twen wide the trial representation. The Lara level, driving cast of San German, has been extended seven wars during the wars, and, then distance, two rather large bought have been met with the cell and the contraction of the staff, for the purpose of cut-ting during the vein is the contraction of the cell and the contraction of the cell and the cell of the cell and

to that district very shortly, and make every preparation for the abandonment of the mine, in the event of the trials proving a failure.

REAL DEL MONTE MINING COMPANY.

Real del Monte, June S.—Al Delines we are going on regularly in sinking shaft below the Jubileo level; ground at present harder; down arren and a half varas below the level. We are driving north of the diagonal shaft, seventeen wars below Jubileo, to cut a part of the vein that we see in same level, and on which there appears to be self-ground for going on to cut the San June level, east of San Lule winner, we have put destajement in work in place of harmsteens, which we think will answer better for breaking the angusers in the present state of the labores. In 127 wars level, driving west of crossent south, seventy-three warse sent, and the same level east of San Pulro cross-out, 130 warse west of San Capstano, the ground is favourable. In Taylor's 345 wars level the ground is hard, with a little assigns over; as soon as a communication is made with Santa Margarita we shall put destajeres to stops the side and back of level on angue over. In Santa Margarita we shall put destajeres to stops the side and hack of level on angue over. In Santa Margarita when the hade is two warse wide, containing angue over in sense are supposed to back of Ed Smeurre in different places, and ains the bottom of San Alline was an alound Terrevon shaft, where there is angue and some smelling over. In El Socorrio till ware level; east of Secone winner, the ground is favourable, with a singue and sensiting ore of gued quality. Rise, in back of Experance Level—Ground molecular, where there is angue and come medicing new. In El Socorrio till ware level; east of Secone winner, the ground is favourable, with a singue and sensiting ore of gued quality. Rise, in back of Experance Level—Ground molecular, where there is ansure one of a low ley. On the little assugue over of a low ley.

with much extra expenditure—as the Debres new engine—and I consider that the present appearance of the concern warrants the opinion that the result for some mouths to come will be the same, and that we may rection on being able to continue to result sufficient funds for all usual payments.

Jame 20.—I beg to inform the court that I have obtained a license to expect 800 bars of silver on the payment of the duty in advance. I shall cause every exertion to be made to obtain a good parcel of bars to be dispatched by our waggeous about the end of July, by which time I hope to obtain from 500,000 to \$100,000 (say, \$100,000), which, allowing twelve days for their emveyance to the coast, ought to be in England about the end of September, or about the time the bill I have now drawn for 20001, will become due, and thus the court will have ample funds to meet the future drafts. The Japona vein, 127 vara level south of Dolores, has improved, producing ore in abundance, of fouriest marray per mentous. As this is quite a new thing, and the ore different from any we have hitherto seen, we do not yet know if it will answer well for the patic; we shall soon, however, make trial, and let you know further on the subject.

Japona vein, 127 wars level south of Dolores, has improved, promising one in abundance, of floations marce year menton. As this is quite a new thing, and the ore different from any we have hitherto seen, we do not yet know if it will answer well for the patio; we shall soon, however, make trial, and let you know further on the subject.

St. JOHN PER REY MINING COMPANY.

Marco Veithe, May 18.—Average of fifty-nice heads, eighteen days, 57° per day. Mino—Squaring down Baha shall; ons stope worked in Gamba; a new stope takes up to-day, making the seventh; this lock is looking worse; it is smaller, and more maked with kills. In Levina shall (visiking) by the liatter cod of this month the pumping arrangements will be completed, and more progress make in despensing the same. Diving west will commence and week, by which time the stopes will have been cleared of the suff black formation collected at the westers part of the mine. Is June a shalf west formation collected at the westers part of the mine. Is June a shalf west formation collected at the westers part of the mine. Is June a shalf west formation of the upper stopes is, an usual, inferior; a new whint to besulf from Maria and Pridenax's shafts will go to work to-morrow. The arrantre now works day and night without additional force; a but is placed below level from bed of arrantre, connected with it by a flushel; when the sand is ground it is thrown into the box by the stones revolving forty-cipht cubic feet; there tons of sand are now treated in twenty-foar hours. Water—None left is tanks.

Dory.—After 14.—Flexty of stome to keep stamps going till Tuesday morning. The stone day of the state of the stope is a stope of the stope in the stope is the part of the stope is the stope in the stope is the stope is

stream now used. The adit is good ground for speedy driving, and will be got through by two men in about a menth.

INPRIALA BRASSLAM MINING ARROCLATION.

Gauge Seco. May 23.—My hast was under date the 13th last., duplicate of which accompanies, this. It is with no small salisfaction that I call your attention to the great improvement in the produce from the more which has taken place in these last few days. The gold has been obtained to the cost of Curtis's, at the horizou of the forty-one fathem level. The empiains one-criving there was some good stuff for the stange between Curtis's and on old shaft called Gibmon's, emmenced driving a level from the forest to coorde Gibmon's parallel with the old facty-one fathem level, but distant from it, end more to the north nine feet; in the progress of driving a good vein of gold was not with, which has kept the washing-house in full activity the last three days; the vein is still looking as kindly and promising as the day it was out; the captains cannot apeak with orefainty as to the cultural of the whole ground either above the level or horizoustally, but they do not think there is much under the level—however, all is unbanched virgin ground, and as the vein is going down it will be an inforcating fact to arrive at, whether the gold continues downwards or follows the same course as the other veins in this mostly that gold has been obtained in the old morth vein. In other parts of the mine anthing of interest has converse for the works performed in this most for the level mostle. In the beginning we commenced to drive a side level, east of Curtis's shaft, at the horizon for the works performed in their mine for the level mostle. In the beginning we commenced to drive a side level, east of Curtis's shaft, at the horizon is the back of the level to some old workings near Gibson's shaft. This is a continuation of the cid north vein, and although the vein is wrought out in the back of the level to price we have long to the law to place we have into a mine of the cid north

Experience Level—Greened morbitation of the active compare over of a low leyOn the Both May we commenced to clear flow Franciscon from the top of the
attive, set for two Englishmene, who are to pay all cords of molinocatorse, dispatchadorse, and argudantes, to reach the adit, which is fifty warse; the clearing will be about there warse weekly. In twenty-nevem wars level, deriving
anoth, the ground is mondroute; the Santa Toro; will proop—doint once and
half wars wide. In the adit level, deriving morts of same wells, provided the second of the fractions for the back of the fractions fathous level, at Morgan's shaft (orw ground); a Bitle from
half wars wide. In the adit level, deriving morts of same wells, provided the twenty-over adity of the fractions fathous level, at Morgan's shaft (orw ground); a Bitle from
half wars wide. In the adit level, deriving morts of same wells, provided the second of the fractions fathous level, at Morgan's shaft (orw ground); a Bitle from
half wars wide. In the adit level, deriving morts of same wells, provided the second of the fractions fathous level, at Morgan's shaft (orw ground); a Bitle from
the backs of the fractions fathous level, at Morgan's shaft (orw ground); a Bitle from
the backs of the fractions fathous level, at Morgan's shaft (orw ground); a Bitle from
the backs of the twenty-ord, at Morgan's shaft (orw ground); a Bitle from
the backs of the fractions fathous level, at Morgan's and Almore's. In the
fraction of the fractions fathous level, we have driven two derivations of the second of the same shaft back of the fractions fathous level, at Morgan's and for various of the same shaft back of the fractions of the same shaft back of the fractions of the same shaft back of the fractions were two same level, where driven and of the same shaft back of the fractions of t

drives further wast.—The four lattices street, at Concert, at Alesch's she ther south.—The cross-out, at the horizon of middle level, at Alesch's she to be driven further asorth.—A wears to be sensk to bettom of the twenty-ofathous level, at Juhn's.—A level to be driven cast, at the horizonic the furgist fathous level, at Cataria's shaft, on north vein.—A rise to be assessed back of forty-one fathous level, at Cartia's.—A new shaft to be small cast G-boon's, to facilitate the workings in that part of the mine.

T. BLAMEY.

Gold Report.

Treat.

Stamps. 13s. oz. dwt.

Raised from the 18th of May to the 2d of June, inclusive (eighteen days)—Stamps, 45 lbs. 11 oc. 18 dwts.—Total raised from the 1st of January to the 22 of June, 265 lbs. 11 oc. 11 dwts. 10 grs.

Cala Branca, May 19.—I am pushing to the utmost the different works in progress. The bottoms continue to look well.

June 4.—We have been much hindered by having to repair the damage caused by the falling away of some timber from two of our stalls. I am happy to add that so serious hart to any one occurred. We are in the midst of the dry season, and our wheels, in consequence, going very slowly; I trust, by-and-bye, to remedy this great evil.

Gold return for three weeks to 3d June, 50 lbs. 9 oz, 12 dwts. 18 grs.—Ditto for the month of May, 80 lbs. 4 dwts. 3 grs.

ENGLISH MINES.

ENGLISH MINES.

TREGOLIAN MINING COMPANY.

Ang. 14.—The sumpmen have nearly completed the cutting of the whimping, &c., at the fifty fathom level, and I expect shortly to begin sinking for the sixty fathom level; in cutting said plat we have raised some very excellent stones of ore from the morth part of the lode, which is about ten fort wide; the end castward of this level, which is being drives on the south part of the lode, is producing a small quantity of ere. The lode in the wines taken the forty fathom level is large, and occasionally producing gued stones of ore; the lode in the pitches below continues much the same. We have sampled to-day, at Wadebridge (computed), forty-eight tons of good quality ere.

J. Nimme.

J. NIESTE.

Ang. 15.—The lode in the forty fathom level, east of Williams's shaft, afteen inches wide—tribute ground. The lode in Hearwood's shaft in one for wide—tribute ground. The lode in the wings slaking under the thirty fathe level, east of Hearwood's shaft, is six inches wide, producing a small quantit of ore. The lin lode which we are stoping at the adit level, east of Mocom's shaft, is seven feet wide, and very good tin ground. The north per of the Mine-park lode, west of John's shaft, the adit level is afteen inch wide, very good tribute ground. We have sampled this day 137 team of or M. Williams. J. Moncom.

of the Mine-park lode, west of John's shaft, the adit level is aftern inthe wide, very good tribute ground. We have assupied this day 127 tons of or H. WILLIAMS. J. MORCOM.

HOLMBUSH MINING COMPANY.

Aug. 10.—The hole in the 110 feathorn level west is ten inches wide, producing stones of ore; in the wines sinking below the lovel the londs in still divised has small branches, and yielding but a small proportion of ore. Lode in the 10c feathor level is fourtreen inches wide, and internised with ore. The hode in the cantern stopes, in the hard of this level, to two feet wide, worth M. per feathorn; in the western stopes, in the hard of this level, to two feet wide, worth M. per feathorn; in the western stopes, in the hole of two feet wide, worth M. per feathorn; in the western stopes, in the cantern stopes, in the s

worth 41, per fatheon. There is no alteration in any other part of the miss.

**REREGIE CONSOLA MINING COMPANY,

**Ang. 15...-In Christics engine.-deaft the greened is rather better for elabor, the rise, in the back of the servicey wind, the tools is large, but out smack necessary. The slady west to one find wide, not search one. The fifty is driving to get tools (clariton; to chaff. The wince sinking mades the skryt patheons level to work for some of the service of the service to starty against level to the first part and the service sinking mades the skryt patheons level to work for the service sinking to get tools. The fifty is driving to get tools for the service of the service sinking service the service service to service fatheons. To Good Fortane should take the first four fatheons level the note been caken down. W. Stratons.

YAMAR SILVER-ARAD MINING COMPANY.

**Ang. 15...-1a the 100 fatheons level the hode in one fault wide, citil presencing der bott and froch. In the 104 fatheons level the hode in denost two seed wide, one fluctuation is good word. In the start, decided for fatheons level the hode in capacity, one fatheon have the service in good word. In the capacity dee fatheons level the hode is explained wide, carrying two cannot be searches of our. In the other fatheons level the londs is a such tools and the londs is explained wide, chiefly compared of capat, indexembrated with all the londs is explained to the search of the londs in eighbours hadrons are not in the londs in the first of the fatheons level the foods in the start of the fatheons had not and again a women of our and the londs in a search of the matter and the search of the search of

Security in getting the contings from the water-wise to the engine-besses, which conservated decayed the work broger than was expected.

CORNYBLAN MISHINGS COMPARY.**

Angl. 19.—Corr emergement are engaged to continue plant of the engine besses, which the break, that the best fire fatherms, yeathing a females of least, atthough we do not coincided on reacting the sea of found around year. The lock in the fully believes have a few fatherms to drive this level to get to far word as Morray's death. The furly library in the least fire fatherms for drive this level to get to far word as Morray's death. The furly library better divines sevel development of the sea for the sea of the

MINING NOTICES.

(Under this bead we prospect estimating code prospects as may appear to the opposition and other Journals, being resonance to discovered and improvement in the coloring operations of bronce and alternat. It is hardly commons to make the code of the contribution of the indiscovery to missere, that we must not post to considered to solute the contributions of the indiscovery money as the code of the indiscovery to the code of the indiscovery to the code of the indiscovery to the code of pertine is even in the code indiscovery to the code of the indiscovery to the code of the indiscovery to the code of the code of

VALUABLE DESCRIPTORY OF COAST OF VORKERIAN.—A sound drop fine coal less recently been discrevered in Sentime early shows from such and of Comercharter, in Yorkshine, much emperior to any coal obtained from pet-vices workings in that part of the constry, but the pince being cleated instances in by reach, the inhabitable of their empendered wile will be the only propie at present who will be incestited by the discretery.—Declare Advertiser.

CAUTER EARD COLLEGEY.—The owners of Cartie Efec College back mark to morther owns of soul of excellent quality, and soul to be about \$8, 500. in thickness.—Hist.

Guesa Marras or Garances.—The American correspondent of the Merican Chronicle, carbor data Philadelphia, July 19, writes—" The confederal good mines in Georgia provo immensaty productive."

MINE ACCIDENTS.

Lorent Mine.—On Wednesday, the 1d inst., as a toy, anteré Warren, we descending to one of the foreiverys of Lorent Mine, by either distinct for global his footing, and fell for following how is to toy entity to get a paid to fail, and fell for inguity to the control of the self to walk boster, and, we are glod to fail, is likely to do walk.

But very single fluctuation has taken place if the stock markels during the waste by satisfacture, in a great measure, to the distinctions to operate in the set against during a small advance, however, took place on Tuesday because a singlet discrepance is except the freeling stocks, but on Wedness y because again depretance), between the freeling being that yet at order well soom be resourced to the measurement, the freeling being that yet at order well soom be resourced to the measurement of the Government. The following are this moveming's prices or measures of the Government. The following are this moveming's prices of the great state of the movement of districts, from the year measure of the Government. The following are this moveming prices of the great state of the movement of the great state of the state of the great of the great state of the movement of the great state of the great st

[From our core correspondents.]

PARIS, Are. 18 — 5 per Cents., 119f. Séc., 2 per Cents., 78f. 75c., Bank Actions.

Risél., Rents de Nayles, 100f. 70c., Romans. 104, Spanish Actives, 274; Bedgias

B per Cents., 1541, 1641, 48th 2 per Cents., 1947, 70f. 50c., Redgias Bank, 775t.

Hariss Lone, 5(7f. 50c.—8t. Germain Railway, 8461, Vernatiles, S. S., 199f.

L. R., 946, 28c., Romen. 522f. 50c., Orleano, 500f., Strusburgh to Bis. 200f.

Bishangs om Linding, one month, paper, 28f. 45c., money, 28f. 45g., three
months, paper, 28f. 5fac.; money, 28f. 5bc.

LATERT PRICES OF IRISH STOCKS.—I per Cent. Concess. 913 2. 55 Bits 16.; ditts New, 1886, 9931, 134 per Cent. Behenduren, 914.; Book Stock, 17.—
Kingstown Kalbeny, 861.; Dubina and Drogheda, 161.—Histornian Basis, 274.
keyal Bask, 1941.; Previncial Basis, 461.—City of Dubins Steam Company, 1614.
ities Stock, 1881. 814.—Mean. Ship Building Company, 4911. British and Irishts, 514.—Malianal Insurance Company, 2811.; Patriotic, 741.—Mining Company
if Irished, 1841.; Wickley Copper Mines, 131.

Royal Rest, 1941, Privincial Rest, 404.—City of Duintin Steam Company, 1974.; Strike Stocks, 1981, 1944. — Steam Ship Studiolog Company, 40 [1]. Strike and Irish State, 1544.] History Copper Mines, 175.

LEDPA, Troinapa v, a A conditionment of the Steam Constitute of the harvest in the most fortenate their that considerate and the privincial practicular for the harvest in the most fortenate their that considerate and the privincial practicular of the harvest in the most fortenate their that one of 1981, a quarter lists than flavy were a few months age, such a small state of the 1981, a quarter lists than flavy were a few months age, such as small state of the state of the privincial privincial state of the small state of the

Designancy, 1284.; Lorentz New Gas Company, 1644. On div.—Lorentz Communervial Buildings, 184.

*** WATHON & CC.

*** WILLA, They seems v.—The share market has, during the past week boses to a drain of fear-divine, not-withoutsunding the aboundance of promoty. One connect that the state of things to perhaps the to format in this first, that a very argus amounts of realway stock in hald by the communervial classes, who may have stocked on the state of the communication of the state of promoty date, and, as they not confrequently set the communication to this first, that of permetry date, and, as they not confrequently set the communication to the first of promoty dates may perhaps be dedicated. One electrometriance, however, must be headed may perhaps be dedicated. One electrometriance, however, must be headed may perhaps be dedicated. One electrometriance, that when there is spore as reconstruction, and the second of the moment electrometriance from the spore is three, and when consideration in fully reconstruct, returns, which are the permit of the observable, and when considerate according to a water of these consideration. Blue of the observable and classification. The observable of the observabl

From to 1800s. Studi than, 10t. It all Maximo Issuericano, 15th. Heat David, 12th.

GHARDOW ... Studi than, 10t. It all Maximo Issuericano, 15th.

GHARDOW ... Studi than, 10t. It all Maximo Issuericano, 15th.

GHARDOW ... Studies are considered during the part month in agitate the money market, of in leasures the enquesion of the control of enquite studies are specified to the control of the c

Description of the control of the second sec

NAME OF TAXABLE PARTY.			The second second				-
MAN I	BALL	OF	COPPER	ORNIN 194	OORWW.	LLL	
				Andread's Hot			

Miner.	Ton.	A	Purchasers.	S Committee on the local division in	to select the select		contain matter	2000
Treasures.	146 48		Mines Royal	Fower C.	112	18 1	. P. Gee	ndelle
ditto	79 4		Viriant.	600	90	F 23 6		-
42860	76 . 6		RaginbCo.	15 minute and	141 1		Protessi	MER.
- Altio	78 4		Viriama.	400.0	- A -			MC
ditto	4	2 50	7 (400)	Charleson	Mr Can	100	64]]]	200
angle	56 8	All Sea	The state of the s	disto			. Vivian	
S.Caradon	114 6		English Co.				. Nerill	& Co.
4410	100		Mines Royal Nevîlî le Co.	dittio		10		All Control
egto ,	28 . 8		Precinant.					
witte.	41 4	15 6	Vivinas.	Citie Develo	12		- Freemi	ams.
P. Commis		12 6	Alastems.					
ditto	26 6	£ 6.	- man	Bruwn's or	M. 4 A		. William	100
81.1			TOTAL P	RODUCE.				
Truntens.		6 d		Wh. Gorb				3 .4
South Cars		1	2015 9 8	West Cars	MOS	73	489	
Par Cannol	s 20		1917 18 9	Cliff Bown	M	17	40	18 0

1995 13 0 Reat Crinnis..... 10 75 0 0 1794 8 6 Brown's ore. ... 4 20 12 0 1706 11 0 Holmiquab 201 Average shandard, 1886. 11s.—Average produce, 87.—Average price, 64. 13s. od passelly of ore, 1866 boss.—Quantity of fine copper, 486 boss 56 cwt.—Amount scoot, 12,5124. 18s. 66.—Average skandard of last sale, 1324. 6s.—Average pr

COMPANIES BY WHOM THE GRES WERE PURCHASED.

THE RESERVE TO SERVE THE PROPERTY OF THE PROPE	A COMMO	ta	- 0.80	COMPANY	All and
Mices Royal Company	244	4	£1618	1.4	6
English Copper Company	26a		1706	. 1	
Vician and fions	452	******	12.65	15	
Freeman and Co	343		2757	16	6
P. Grenfell and Bods	208		1296	12	
Sime, Willyame, Neville, Druce, and Co	150	****	917	16	
Williams, Foster, and Co	63		374	4	
	-			-	-
Total	1804	4	2,511	18	

Copper circs for cale on Thursday next, at Andrew's Hotel, Redruth,—Mines and Fuccels.—United Minon, 1664; North Bowns, 279; Trethellan, 290; Fowey Consols, 210; Tremacum, 167; Triesigh Consols, 142; Wheal Providence, 24; Toigus, 7.—Total, 2543 tons.
Copper circs for said on Thursday week, at Scrpell's Hotel, Pool.—Mices and Paresis.—North Roskear, 21; Consolidated Mines, 72; Hallenbeagle, 413; Kast Wheal Credy, 27; South Roskear, 81; Consolidated Mines, 72; Hallenbeagle, 413; Kast Wheal Credy, 27; South Roskear, 81; Consolidated Mines, 72; United Hilbs, 27; Wheal Harriet, 182; Tretoff, 127; Harvey's Ore, 26; Tregolian, 48:—Total, 4632 tons.

By Ticket, on the 16th of August, at Truco.

Mines.	Tons.	Price.		Amone	t. Purchasers.
Budnick		£30 7 6		£354 7	6 L. C. A.W. Daubon
diffic	74	16 5 0		271 14	Z L. C. AW. Daubur
dillo	74	36 B #		271 14	2 Holithon and Co.
difter	74	26 6 6		271 14	2 Williams and Co
diller	24	54 7 4		111 14	44 . Belithes and Co.
ditta	84	54 7 6		111 44	44 Williams and Co
6860		26 6 6		29. 0	c Bolithos and Co.
diffe	1		*** ***		8 Williams and Co.
Bottle Hill.	W	37 0 0			0 Bolithos and Co.
ditto		37 0 0		\$13 H	w Williams and Co.

SALE OF COPPER ORES AT SWANSEA.

Copper area for sale Aspent 14th. -- Knock maken 155, 48th 114, 48th 115, 48th 116, 48

WORK PERFORMED BY CORNIAN ENGINES.

The number of pumping-engines reported for the month of July is 46—the quantity of coals consumed being 2500 tops, lifting, in the aggregate, 35,300,500 boss of water 12 fathons high—the average duty being 17,000,000 lie. lifted 1 first high by the consumption of 1 bashed of coal. The following is a list of those engines, the work of which has exceeded the average—

Mines.	Regimes.	Engineers.	per	per	Lha. lifted ift, by a loss of coal	Water
W. Darlington		Eustin		6-15	61,190,761	199
Licadolphin		J. Mina	11.19	5.3	77,981,359	-
	Louds's de in a .		147	6.0	61,472,485	160
Wa. Voc.	illeriane's so in a	Richards	16 4	**	71,418,000 68,836,019	
		Herking & Loam		67	10.071,007	388 1
Carn Brea	Mined cylinder	J. Sims	12.0	49	91,607,497	981
United Mines	Taylor's 88-in c	Horking & Loam	11'65	14	97,425,799	7
Ditte	Cardona's pt-tu-r	Dillto	1974	8'5	10,931,949	1
Ditto	Charm's 30 im a	Ditto	16.0		64,161,063	5-160m-5
IRits	Long 's Bi-in a	Dirta	10-3		75,488,654	
Ditto	Hecking's \$5 in s	Ditto	16.4	84	89,854,755	1
United Mills .	Williams' se in s			68	83, Fed, 273	953
Pulberou Con.	Vigora's 60 in s	Hocking & Loam		198	65,813,976	285
Furney Con.	America's sector a	W West	18:57	5.65	75.510.040	644

At Wheal Vur, Burinser's, and Trelawary's engines, and the old engine at Followoo, the bullers are leaky; at East Wheal Cruffy Trevenson engine is undergoing attention, and at Charlestown Unified Missas the consister of the engine is out of

LATEST CURRENT PRICES OF METALS. LONDON, AUGUST 12, 1822.

			8.4	l.		4.	ú.	4.	4.
Brate	an Firely	gm, from t	0.0	e ba	216	101	10	Corres-Old per lb. o o	
44		allever				-	6	Cake p. bon 57 c c to 50	
Bive -	English s	here's			42		- 6	For rake So o o to set o	
WE'RE IS			per	lik.	100	-4		. Nie 1. 85 0 4 to 64 0	
Inca-								Tir-English, bische, &c. owt. A .	
	Nad room				. 7	- 6		bars 0 0.0 3 10	0
86	Doogs	SEAR SEAL	0 0	10	-			, Poreign, Banca s 6 9 5 5	
24	Miseatta .		9 0		10			Btysits 0 0 0 3 3	
100		Wales			3			Pererian 2 13 6 3 0	
84	Phys. No. 1	, Wales			9	1.8		Tin pinton, No.H. p. hog 1 6 0 1 10	8
No.		Cirde						No.1X 1 15 6 1 14	ø.
100	Por., Swi	olish.	1 13		10	0		wasters &c. p. bog less	
***	Baselan,	CCMB			18.	0		Luan-Sheet milled p. ton 19. 0	
100		FRE 1-11			14	0個		Word, patent 22 10	ë
-	10	Constall	77.		19	10		n Red 72 to	
**		Archange	ež		2.8	200		White	
-	- Rwedish	keep	p. 6	100	12	100		Fon Lean-English	
-	No.	Faggett.			1.0	10	86	. Spanish . 0 0 0	-
	- Knoffel	about the		m.	100	4 1	46	American # 6 6 6 17 to	

Its specifies those has been best little dering.—English from his advanced to 54, in Waters, very larger perchance have been made at 41, 12a, and 41, 12a, 5th.—Copper of all seyin in ference, and larking up.—English tim in Sat, join East Joint tim a few value have been made at 5th. 6t, to 64a,—English load has declined, shift the demand bestoned by the best or selects of Spanish load that declined the selections.

PRICES OF METALS IN HAMBURGE. The Bermshelfs of Hamborgh ped-tishes a table of the prices of merchandles in that city, from which it appears that a very great reduction has taken place in more prices since 1641. Sactions is pi-per cent. hower, English and Spanish head of the II, indigen is to 13, Register repec-te to 15, English tio 12 to 11.—The price of Newcontin coals has also fadent per cent

provided by the second of the

the OF MINING SHARL have live branching and live and live between the place. St. John del Rey have last questions and Timerest as 4 the letter 21, per share. The f

BRITISH MINES.	BRITISH MINES-continued.
Shares. Company: Pald. Price	Blearen Company. Paid, Price
500 Anglesey correct &	4,000 Truisigh Consoit 5 15 6,000 TamarConsois 5 22/2
4,000 Bedford	6,000 TumarConsols 4 23/3
4,000 Bissoe Bridge 6 14	6,000 Tin Craft 7 . 64
1 100 BOGMOCK	4,300 Tretoil
20,000 British from 70 65-die	6,000 Tin Craft
8,600 Blassavon 10 114	THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER.
120 Brewer 100	129 Trethelias
74 Endnick 1,50	A 000 Paited Wills 5 44
1,600 Carn Strea	6,000 Wicklew Copper 5 . 13
2,000 Cornubian Lead Co 2 25	A.M. West Wheat Jewel 18 5
5,000 Cornwall Great United 104 1	49 Wheal Yor
512 Cook's Kitchen 50	FOREIGN MINES.
112 Charlestows	The state of the s
128 Cregg Braws 40 .300	A,000 Alten Mining Company 134 8
10,000 BurnamCountyConiCo. 27 8	18,000 Augio Mexican Co 160 2
2,000 Danescorube	3,374 Do.Subscription 25 24 4
4,000 De Dunstanville	2,000 Bolanos
200 Diamond 34 10	Ditto Scrip 15 3
126 East Pool	10,000 Brazilian Imperial 21 .84 9
4,000 East Tretoil 1 1	10,000 Bolivar 20 1
128 Gavrigan	10,000 Ditto Scrip 10 . 3
100 Great Connois 97 754	10,000 Cata Branca Brazilian 64
10,000 Hibernian 124 24	10,000 Concrição) Co. 4
1,000 Holmbush 14 44	12,000 Cours CopperCompany 40 29
2,090 Isle of Sark (Guernsry) 11 #	8,500 Colombian Co. segis 56 2
80 Levant 600	10,000 Copiapo Mining Co 124 . 9
29,000 Mining Co. of Ireland 7 154	20,000 General Mining Assn. 20
128 Mostyn Mines 100 400	A.Mil Mexican Company Seg., 1
3,000 Polherou Crasols 10 . 4	12,000 Mocautos and Cocaes 25 41 1
5,000 Redmoor Consolidated 5 14	14,502 Real del Monte, regis. 634. 28
2,064 Reliation	the unregulered 3 4
10,000 Rhymaey Iron 9	
100 Rosewall Hill 180 160	
800 South Towan 10 1	11,000 St. John d'el Rey 15 26
64 SouthWheal Basset 410	30,000 United Mexican 10 14
57 Speam Moor 70 100	Black Scrip, addl. capital 5 14
4,000 Tregolian 44 . 1	Red New Scrip 24., 24

RAILWAY SHARE LIST AND TRAFFIC RETURNS

Although a good deal of business has been done, a slight decline has taken place in most descriptions of Railway shares in which transactions have taken place, which may, in some measure, be attributed to the general failing off in the returns of several of the northern lines, alization to which will be found in another estams, or also give this week reports of the inectings of the Sheffield and Rother-ham, Maryport and Cartilisic, and the Midland Counties, the latter of which will be found particularly interesting, from the statement of the working of Mr. S. Hail's smoke-consuming apparatus. The latest quotations are as follow:—

Line.	Lgth.	Open.	Present ac-		Share.	Last week's Returns.
Arbroath and Forfar Railway		15	£ 131,645	25	22	£169 13 14
Hirmingham & Derby Junc.	48	394	H53,044	100	41	1597 9 6
Birmingham and Gloucester		51	1,015,721	100	40	2243 11 2
Brandling Junction		25	437,594	45	-	949 9 6
Chester and Birkenhead	144	144	456,664	40	. 39	609 0 11
Dublin and Kingstown	6	6	333,288	100	274	1143 11 1
Dundee and Arbroath	141	162	184,984	26	25	363 19 3
Eastern Counties*	1264	174	1,476,170	28	94 9	1116 7 .
Edinburgh and Glasgow	45	46	1,253,234	20	4297	3464 8 1
ilasgow and Ayr	- 54	40	· · · 639,545	45	40	1295 8 0
ilangow and Painley Joint	274	723	280,000	25	.25	1190 18 4
id. June. & Chester & Crowe		1154	2,192,047	100	169	pods 3 3
Great North of England	75	46	1,000,000		764 54	1841 2 4
Breat Western	118	218	5,288,044	65	89	14/83 2 8
Hayle	16	18	125,600	100	-	381 2 10
Hull and Relby	81	81 1	460,000	50	324	1156 IS 4
ancaster & Preston June.	264	204	206,000	424	27 4	586 14 0
iverpool and Manchester	.31	51	1,410,000	100	LBS	8619 0 1
andon and Birmingham	1124	1124	5,734,807	90	180	19539 14 10
gestion and Blackwall	32	34	807,600	29	24 9	1438 16 6
condon and Brighton	46	45.2	2,005,500	50	584	4679 0 4
London and Cruydon	100	104	167,901	135	12	425 4 9
andon and Greenwich	38	25	798,306	20	54.6	909 1 H
ondon and SouthWestern	98	22	8,390,697	304	44	7979 19 46
danchester, Boiton, & Bury	10	10	779,936	360	34	A67 9 94
danchester & Birmingham	45		1,166,612	40	24 6	-
danchester and Leeds	50	50	2,523,500	74	26	3106 4 B
didfined Counties	5.7	87	1,440,000	100	63	3051 19 3
fewcastle and Carlinle	601	608	750,000	100	96	1692 19 1
seweantle and N. Shields	1	2	353,A27	50	64	489 1 7
forthern and Eastern?	324	154	354,913	40	401	1393 4 8
meth Midland	724	724	2,929,697	100	57.6	5939 19 11 -
forth Union1	28	35	M(1,000	25	754	1991 9 A
reston and Wyre	154	194	270,000	540	80	374 9 8
heffield and Manchester	40	7	251,527	MIN.	-	107 4 4
outh Eastern	47	40	1,075,460	80	214	PR 11 1
of Valencian con cons	300	30	5.89,7:28	100	-	818 10 · 6
ork and North Midland	29		Z20,245	224	700	896 A II
	200	228 1	445,500	348	204	-

JOINT-STOCK BANKS.

Very little business has been done in this description of investment, but the questions have remained firm during the week. A declar of lie, per share in the afficeal Bank of Ireland is almost the only fluctuation.

Shares.	Company. Po	aid.	Price		Company. Paul. Price
29, 1900	Birmingham	10	154 9		Liverpool Borough., 10 134 Ditto Bank of 134., 304
	British N. American				Ditto Hanking Co. 10 3
10,000	Cheltenh. & Gioucesh.				Ditto Commercial 10 ., 174
	Commercial of Eng.,			2,048	litto Royal , \$00 4874
1,000	Commer. of London 2	MR	178	100,000	Manch, & Liver Big. 15 to.
25,000	Colonial	25	204	166,000	Manchester 4 Salfoid 10 , 164
Eq. (800)	East of England	10	24	39,800	Manchester & Salfold 10 , 166
10,000	Gloscestersides	10	2004	79,296	National of Ireland. 174. 14
4,000	Lonian	23	28		Nati. Provi. England 24 344
10,000	Levis Banking Co	15	18		North & South Wales 10 44
20,009	Leeds & West Riding	64.	10		Previncial of Ireland 25 406 4
\$4,000	London & Westminst. ?	50	224 -	20,008	South Lancashire 74. 4
	London Joint-Stock			26,698	W.of Eng A S. WalcaD. 174. 124
	London and County			26,000	W.of Eng.A.S. Walcall. 12g. 134 Union of Australia 25 309
10,000	Liverpool Albion 1	25	284	80,000	Cales of Lundon 10 . al [

MISCELLANBOUS.

	The second secon
Shares. Company, Paid Price	Shares. Company. Paid. Prick
16,800 Angles Mexican Minf 16 114	2,10s Hungerford Market job Ata
[0,000 Anti Dry-Rot 169 2	1,650 Loo. Com. Hale Rooms 28
10,600 Asphalto (Claridge) 4 4	1,600 London Corn Exch 274 25
19,000 Assau Tea Company 12: 4:	5,700 London Choulchour . 13s . 5a
10,600 Austral Agricultural Story. 21	
A COLO TO STATE OF THE STATE OF	3,000 London Constory 20 18
5,000 Sahin Steam	a, toto Lon. Rever Int. Sec. 10 .c 8
12,100 Bitamen Bastoone 14	15,000 Met. Pat. Wood Paring 2 4 \$
10,000 Differ Polemerson	10,000 Mexican & S. American 7 10
6,000 Brit. Amer. Land Co. 331., 94	- New Brunswick Ld. 10 12
A from Hele. Louis & Dis. 1 and. 25. 24	5,307 Rever, Int. Society 190 96
5,600 Bell, Rock A Pat. Salt. 55 114	15,601 Royal Mail Sheam, Pet. 56 24
9,910 Canada Land Cit 329 . 21	2,000 Shott's Iron Frandry 45 36
5,000 E.C. of Cen. Ame. Deb. 20 21	14,400 South Australian 30 17
A,rest Escultwirls Palent Sait 25 1.12	5,000 Ship Owners' Fewing 74., 35
ELTON Equalitation Review, Nov., 50 17	4,000 Thames Tuboat for . 9
8, for Gen. Steam Marty 14 . 224	10,000 Van Diemon's Land . 188 8 6
8,160 Com. Rever Int. Size. 100 . 05	4,500 W. Lou. A.Woston Com 26

THE LONDON GAZETTE-BANKRUPTS